

K7715.

H 7769 Incl.

Station No. *H 7715* Date: *Nov 14* 191*6*

Hour: 130 P . M. to . M.

Position: Lat.  $34^{\circ} 10' 20''$  Long.  $119^{\circ} 44' 15''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, *NNW* Force, *1*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11—5314



Station No. *H 7716* Date: *Nov 14* 191*6*

Hour: 200 P. M. to . M.

Position: Lat.  $34^{\circ}13'20''$  Long.  $119^{\circ}43'50''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, *NNW* Force, *1*

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:

### NETS, ETC., USED

[illegible]

11—5314

## NOTES

CPGS  
5202

Station No. H 7717 Date: Nov 14 1916

Hour: 2 30 P . M. to . M.

Position: Lat.  $34^{\circ}16'10''$  Long.  $119^{\circ}43'00''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, *NNW* Force, *1*

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

C + GS  
5202

191 6

. M.

Long.  $119^{\circ} 42' 10''$

Locality: Santa Barbara Channel

**Sample:**

Wind: Direction, *NNW* Force, *1*

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:



## NETS, ETC., USED

[illegible]

11—5314

## NOTES

C & G S  
5202

Station No. H 7719 Date: Nov. 14 1916

Hour: 330 P. M. to . M.

Position: Lat.  $34^{\circ} 22' 00''$  Long.  $119^{\circ} 41' 20''$

Locality: Santa Barbara Channel

Depth:	Bottom:	Sample:
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Wind: Direction, *NNVV* Force, *1*

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11—5314

# NETS, ETC., USED.

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C. J. G. S.  
5202

Station No. H7720 Date: 7 Nov. 14 1916

Hour: 4:00 P. M. to . M.

Position: Lat.  $34^{\circ} 24' 5''$  Long.  $119^{\circ} 41' 00''$

Locality: Santa Barbara Calif.

Depth: Bottom: Sample:

Wind: Direction, *NNW* Force, *1*

Sea: . . . . . Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.5		-.02	13.48		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

## NOTES

Anchorage

C & G S  
5202

8<sup>15</sup> Nov. 15 1916

0. SV 429 12.65

Calm 0 12.63

Station No. H 772 Date: 7 Nov. 1951

Hour: 9<sup>15</sup> A . M. to            . M.

Position: Lat.  $34^{\circ}18'30''$  Long.  $119^{\circ}38'5''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, *South* Force, *1*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C + G S  
5202

Station No. H 7722 Date: Nov. 15 1916

Hour: 10<sup>30</sup> . M. to . M.

Position: Lat.  $34^{\circ} 12' 20''$  Long.  $119^{\circ} 34' 45''$

Locality: Santa Barbara Channel

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, *SE* Force, *2*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.2		-02	13.15		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:



# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C + G S  
5202

Station No. *H 7723* Date: *July 1* 191 *-*

Hour: *11:01 A.M.* to *11:25 A.M.*

Position: Lat. *34° 10' 40"* Long. *119° 33' 45"*  
*drifted from*  
 to *34° 10' 00"* *119° 34' 45"*  
 Locality: *Santa Barbara Channel*

Depth: *244 m* Bottom: Sample:

Wind: Direction, *SE* Force, *1*

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	<i>RTR 150</i>	<i>9.38</i>		<i>0.0</i>	<i>9.38</i>		
	<i>SV 805</i>	<i>9.48</i>		<i>+1</i>	<i>9.48</i>		
	<i>NZ 71738</i>	<i>48.3</i>		<i>-.8</i>	<i>48.3</i>		
	<i>NZ 98210</i>	<i>48.5</i>		<i>-.5</i>	<i>48.5</i>		
	<i>SV 493</i>						
	<i>SV 497</i>			<i>+1</i>	<i>9.2</i>		
	<i>RTR 37571</i>						
	<i>NZ 165868</i>		<i>11.7</i>				
	<i>NZ 6245</i>			<i>-1.0</i>	<i>47.0</i>		
	<i>NZ 61250</i>			<i>-.5</i>	<i>47.5</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Log to* 11-5314

## NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

## NOTES

CPLS

5202

First bottle down at 11:05 am

Messung 11:16 in Höhe 11:17

1st bottle up 11:25

Point S 47° W (true)  $1\frac{1}{4}$  mi.

Station No. *H-7723* Date: *191.*

Hour: *.* M. to *.* M.

Position: Lat. *20* Long. *do*

Locality: *South Barbados Channel*

Depth: Bottom: Sample:

Wind: Direction, *SE* Force, *1*

Sea: Sky:

TEMPERATURES

Depth	Thermometer-- Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
							<i>Stiman</i>
30m	RTK 150	12.16	12.4	0.0	12.16		1
	SV 805	12.11	12.5	+1.1	12.21		
40m	11271138	54.0	-	-1.8	53.20		2
				-1.5	53.10		
50m	SV 1162	-	12.2				3
	SV 497	11.49	12.4	-1.1	11.59		
			12.2				4
			12.2				
100m			-	-1	49.0		5
				-1.5	49.4		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *fine*

*(H. H. H. H.)*



Station No. *H-7723*Date: *Jan 15*

191

Hour: *11:43:30 A. M.* to *11:59 A. M.*Position: Lat. *do* Long. *do*Locality: *Santa Barbara Channel*

Depth: Bottom: Sample:

Wind: Direction, *SE* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>SY 429</i>	<i>13.4</i>		<i>-0.2</i>	<i>13.35</i>		
	<i>RTN 150</i>			<i>0.0</i>	<i>12.4</i>		<i>1</i>
	<i>SY 805</i>	<i>R 12.4</i>	<i>12.7</i>	<i>+1.1</i>	<i>12.5</i>		
	<i>N 17738</i>			<i>-1.8</i>	<i>54.20</i>		
	<i>N 298260</i>	<i>R 54.6</i>		<i>-1.5</i>	<i>54.10</i>		
<i>15 m</i>	<i>SV 493</i>	<i>A -</i>	<i>12.5</i>				<i>2</i>
	<i>SY 497</i>	<i>R 12.3</i>	<i>12.6</i>	<i>+1.1</i>	<i>12.40</i>		
	<i>RTN 37572</i>	<i>2.4</i>					
	<i>N 2165868</i>						
	<i>N 212155</i>				<i>54.7</i>		
	<i>N 21256</i>			<i>-1.5</i>	<i>54.1</i>		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *Light*

11-5314



Station No. *H 7724* Date: *Nov. 15* 191*6*

Hour: 100 P . M. to . M.

Position: Lat.  $34^{\circ} 9' 25''$  Long.  $119^{\circ} 34' 45''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:



## NETS, ETC., USED

[illegible]

11—5314

## NOTES

CPGS  
5202

191 6

. M.

Long. 119

Locality: Santa Barbara Channel

Sample:

Wind: Direction, Force,

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:



Date: Nov. 15 1916

Hour: 2<sup>13</sup> P. M. to

. M.

Position: Lat.  $34^{\circ} 4' 20''$  Long.  $119^{\circ} 31' 10''$

Locality: Santa Barbara Channel

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV.429	13.1		-0.2	12.9		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314



191 6

. M.

Long.  $119^{\circ} 30' 20''$

Locality: South End of Santa Cruz Id.

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:



191 6

Hour: 245<sup>0</sup> . M. to . M.

Position: Lat.  $34^{\circ} 1' 50''$  Long.  $119^{\circ} 30' 40''$

Locality: East End of Santa Cruz, Cal.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	54429	13.4		-0.2	13.38		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:





Date: Nov '5 1916

Hour: 3<sup>00</sup> P. M. to

Position: Lat.  $34^{\circ} 1' 5''$  Long.  $119^{\circ} 32' 15''$

Locality: Smugglers Cove, Santa Cruz Id.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.15	300 PMA	-02	13.13		
0	SV 429	13.15	800 PMA nov. 16	-02	13.13		
0	SV 429	13.45	1000 PMA	-02	13.43		

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:



Station No. *H 7730*Date: *Nov. 10* 191*6*Hour: *2:11 P.* M. to *3:18 P.* M.

*Drifted from*  
 Position: Lat. *33° 56' 00"* Long. *119° 31' 30"*  
*to* *33° 55' 50"* *119° 32' 25"*

Locality: *South of Santa Cruz*Depth: *873* *meters* Bottom: Sample:Wind: Direction, *S.W.* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>10</i>	<i>SV 429</i>	<i>14.3</i>		<i>-0.1</i>	<i>14.29</i>		
<i>20</i>	<i>KTR 150</i>	<i>16.71</i>	<i>10.</i>	<i>0.0</i>	<i>6.71</i>		
	<i>SV 805</i>	<i>16.65</i>	<i>10.</i>	<i>+1</i>	<i>6.78</i>		
<i>30</i>	<i>112 71738</i>	<i>43</i>		<i>-1.8</i>	<i>42.80</i>		
	<i>112 71260</i>	<i>43</i>		<i>-1.5</i>	<i>42.30</i>		
<i>40</i>	<i>SV 483</i>	<i>16.7</i>	<i>10.</i>	<i>1</i>			
	<i>SV 483</i>	<i>16.7</i>	<i>10.</i>	<i>+1</i>	<i>5.42</i>		
<i>100</i>	<i>KTR 37512</i>	<i>5</i>	<i>9.5</i>				
	<i>112165868</i>	<i>network</i>	<i>9.5</i>				
<i>150</i>	<i>SV 12015</i>	<i>16.6</i>		<i>-1</i>	<i>39.6</i>		
	<i>SV 12015</i>	<i>16.6</i>		<i>-1.5</i>	<i>40.0</i>		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

## NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

## NOTES

Got bottle done 2:46 P.M.

Surface tension  $\approx 0.011$

C P G S

5202

W. A. F.

S 82<sup>1</sup>/<sub>2</sub>° W (true) 3 mi.

Station No. *11720*Date: *Jan 10*191*6*Hour: *3<sup>15</sup>* P. M. to *3<sup>45</sup>* P. M.Position: Lat. *-do* Long. *do*Locality: *South* *do*Depth: *873 meters* Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_Wind: Direction, *S.W.* Force, *1*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>100</i>	<i>RTR 1204</i>	<i>9.15</i>	<i>10.3</i>	<i>0.0</i>	<i>9.15</i>		
	<i>SV 805</i>	<i>9.1</i>	<i>10.3</i>	<i>+1.1</i>	<i>9.2</i>		
<i>150</i>	<i>N271756</i>	<i>45.6</i>		<i>-1.8</i>	<i>47.80</i>		
	<i>N2982604</i>	<i>45.5</i>		<i>-1.5</i>	<i>47.70</i>		
<i>200</i>	<i>SV 493</i>	<i>8.5</i>	<i>10.3</i>				
	<i>SV 997</i>	<i>8.5</i>	<i>10.3</i>	<i>+1.1</i>	<i>8.68</i>		
<i>250</i>	<i>RTR 375724</i>	<i>8.7</i>	<i>10.3</i>				
	<i>N2165868</i>	<i>not work</i>	<i>10.3</i>				
<i>300</i>	<i>N262835</i>	<i>46.1</i>		<i>+1</i>	<i>45.1</i>		
	<i>N298256</i>	<i>46.0</i>		<i>-1.5</i>	<i>45.5</i>		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: \_\_\_\_\_

Transparency: \_\_\_\_\_

REMARKS: \_\_\_\_\_

11-5314



Station No. *H 7730* Date: *Nov 16* 191*6*

Hour: *344* P. M. to *353* P. M.

Position: Lat. *do* Long. *do*

Locality: *do*

Depth: *873* m Bottom: Sample:

Wind: Direction, *S.W* Force, *1*

Sea: Sky:

# TEMPERATURES

Depth	Thermometer — Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>50</i>	<i>RTR 150</i>	<i>11.3</i>	<i>11.9</i>	<i>0.0</i>	<i>11.3</i>		
	<i>SY 805</i>	<i>11.25</i>	<i>11.9</i>	<i>+ .1</i>	<i>11.35</i>		
<i>40</i>	<i>NZ 71738</i>	<i>51.</i>		<i>-.8</i>	<i>50.20</i>		
	<i>NZ 98260R</i>	<i>50.6</i>		<i>-.5</i>	<i>50.10</i>		
<i>30</i>	<i>SY 493</i>	<i>not work</i>	<i>12.5</i>				
	<i>30997</i>	<i>9.7</i>	<i>12.3</i>	<i>-.1</i>	<i>9.8</i>		
<i>60</i>	<i>RTR 37572</i>	<i>not work</i>	<i>12.3</i>				
	<i>NZ 165868R</i>	<i>not work</i>	<i>12.1</i>				
<i>20</i>	<i>NZ 62555</i>	<i>4.9</i>		<i>-.1</i>	<i>4.80</i>		
	<i>NZ 98256</i>	<i>4.9</i>		<i>-.5</i>	<i>4.45</i>		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:





Station No. 118120

Date: 11/15/00

191

Hour: 351 8 . M. to 415 P . M.

Position: Lat. do Long. do

Locality: do

Depth: 877 Bottom: Sample:

Wind: Direction, SW Force, 1

Sea: Sky:

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	SV429	14.0		-0.2	13.95		
5	SV133	13.3	13.1	0.0	13.30		
	SV405	13.9	13.1	+0.05	13.95		
	N271738	56.7		-0.5	56.2		
	N298260	56.2		-0.5	55.70		
	SV493	13.1	13.1				
	SV497	12.1	13.5	+1.1	12.2		
21	RTR37572	11.7	13.5				
	N2168850	13.2	13.2				
25	N262865	56.2		-1.1	55.10		
	N288256	56.2		-0.5	55.7		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:



1916

Hour: 5<sup>30</sup> P. M. to . M.

Position: Lat.  $33^{\circ} 55' 05''$  Long.  $119^{\circ} 25' 55''$

Locality: South of Santa Cruz

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	5-19	14.0		-0.2	13.98		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C465  
5202

Station No. 117732

Date: Nov 15

191 6

Hour: 6:30 P. M. to . M.

Position: Lat.  $33^{\circ} 54' 00''$  Long.  $118^{\circ} 24' 40''$

Locality: South Anacapa Id.

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: 0 Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	14.45		-01	14.44		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314









Station No. H 7734 Date: Nov. 16 1916

Hour: 8<sup>30</sup> 10 . M. to . M.

Position: Lat.  $33^{\circ} 51' 50''$  Long.  $119^{\circ} 15' 30''$

Locality: S.E. Am. Congo Riv.

Depth: Bottom: Sample:

Wind: Direction, *NW* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	14.65		-0.01	14.64		

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:



Station No. H 7735 Date: Nov 16 1916

Hour: 9:30 P. M. to . M.

Position: Lat.  $33^{\circ} 50' 45''$  Long.  $119^{\circ} 11' 25''$

Locality: SE Anacapa Id.

Depth: Bottom: Sample:

Wind: Direction, *NW* Force, *2*

Sea: Sky:

### TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV429	14.6		-01	14.59		

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11—5314



Station No. H7736 Date: Nov 17 1916

Hour: 7 am . M. to . M.

Position: Lat.  $33^{\circ} 45' 25''$  Long.  $118^{\circ} 54' 40''$

Locality: West Santa Monica

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314



191 6

Hour: 730 a . M. to . M.

Position: Lat.  $33^{\circ}45'20''$  Long.  $118^{\circ}52'00''$

Locality: W. Santa Monica

Depth: Bottom: Sample:

Wind: Direction, Calm Force, 0

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314





191/

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C P G S  
5202

Station No. H 7739

Date: 12.10.12

191 *L*

Hour: 8<sup>30</sup> A. M. to . M.

Position: Lat.  $33^{\circ}43'25''$  Long.  $118^{\circ}44'40''$

Locality: W Santa Monica

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV429	14.2		-0.1	14.19		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314



Date: 2 Nov 17 1916

Hour: 900 A. M. to . M.

Position: Lat.  $33^{\circ}42'25''$  Long.  $118^{\circ}40'55''$

Locality: N Santa Theresa

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, *N* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV429	14.25	.	-01	14.24		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:



191/





Station No. H 7742

Date: 7 Nov. 87

191 /

Hour: 10<sup>00</sup> a. M. to . M.

Position: Lat.  $33^{\circ} 40' 40''$  Long.  $118^{\circ} 33' 45''$

Locality: West Point Fenwick

Depth: Bottom: Sample:

Wind: Direction, NNE Force, 1

Sea: Sky:

### TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:



Date: Nov. 17 1916

Hour: 10<sup>30</sup> a. M. to . M.

Position: Lat.  $33^{\circ} 40' 35''$  Long.  $118^{\circ} 30' 00''$

Locality: West Point, Penna.

Depth: Bottom: Sample:

Wind: Direction, N Force, 1

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	54429	14.95		-0.1	14.94		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:



1916

Hour: 11<sup>00</sup> a. M. to . M.

Position: Lat.  $33^{\circ} 40' 35''$  Long.  $118^{\circ} 26' 05''$

Locality: West Point, Virginia

Depth: Bottom: Sample:

Wind: Direction, *N* Force, *1*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:



Date: Nov. 17 1916

. M.

Position: Lat.  $33^{\circ} 40' 35''$  Long.  $121^{\circ} 10' 00''$

Locality: SW 1st Range

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, *N* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV429	15.1		-01	15.09		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:





Station No. *A7746*

Date:

191 6

Hour: 12<sup>00</sup> . M. to . M.

Position: Lat.  $33^{\circ} 49' 35''$  Long.  $118^{\circ} 18' 20''$

Locality: S Point Ferris

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	54429	14.75		- 01	14.74		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C 465  
5202

H 77 47

Date:

Rev. 17

191 6

Hour:

1230

M. to

. M.

Position: Lat.

Long.

Locality:

San Pedro

Depth:

Bottom:

Sample:

Wind: Direction,

N. V.

Force.

1

Sea:

Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	14.4		-0.1	14.39		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Anchorage.

San Pedro Breakwater Light  
bears  $S 71\frac{1}{2}^{\circ} E$  (True)  
distant 0.9 mi.

Point Lumin Lt. bears  
 $S 69^{\circ} W$  (True)  
distant 1.3 mi.

C + GS

5145

Bearings checked  
to new  
Mar. 7, 1917  
E. S. R.

191 /

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	NZ 18256	62.4		-.4	62.0	+	

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

**Transparency:**

11—5314

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

## NOTES

*Handwritten:* ... 1. water sample

CXGS 5002

17749 8-5-17 12 AM

Pos. Lat 33° 12' 30" Long 118° 11' 00"

Loc. San Nicolas Id.

0 98256 64.2 63.8

CXGS 5002







Station No. H 7751 Date: 8-15- 1917

Hour: 12 00 . M. to 2 40 P. M.

Position: Lat( 24 ) 33-10-30 Long. 119-45-30  
(2.46)

Locality: West of San Nicolas Id.

Depth: 123 Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

# TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0		65.2		- .4	64.8	+	
(2.45 PM) 0	N298256	65.2		- .4	64.8	+	

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: \_\_\_\_\_ Transparency: \_\_\_\_\_

REMARKS: \_\_\_\_\_

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Two # 25 tow-nets	200-0	12 <sup>00</sup>	1 <sup>45</sup>	
One # 000 "	200-0	12 <sup>00</sup>	1 <sup>45</sup>	
Two # 5	200-0	1 <sup>50</sup>	2 <sup>40</sup>	
Vertical Hauls.				

11-5314

## NOTES

Scripps No. 9. 8 water S.

Scripps No. 9. 7 water S.

# 000 Scripps no. Haul 1  
 # 25 " Nos. " 4, 5  
 # 5 " " " 2, 3

Station No. H 7752

Date: 8-15-17

191

Hour: 5<sup>24</sup> P. M. to

M.

Position: Lat.

Long.

Locality: West of San Nicolas Id.

Depth:

**Bottom:**

**Sample:**

Wind: Direction,

**Force,**

Sea:

Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	N298256	64.0		-.4	63.6	+	

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

## NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

## NOTES

C &amp; GS 5002

Scripps no. water sample f 5.

H 7753

5-6-17

10<sup>30</sup> AMLat. 22-57.00 Long. 119-49.00  
West of San Pedro Id.

C &amp; GS 5002 54.6 4 63.6

Scripps no. water sample f 1.

C &amp; GS 5002

Station No. 70511

Date: 8-11

191 7

Hour: 11:30 A. M. to 1 P. M.

Position: Lat. 32-57-00 Long. 114-55-00

Locality: West of San Nicolas Id.

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

C + GS 5500.2

March 27 1890.

H 7755 8-16-17

1230 PM

Feb. 24 1890 Long ~~30-32-36~~  
West of San Francisco Cal.

11. 4. 1956 42.7 2.9 62.3  
Sample 10 - 1000 Sample 58

CPS 5002

Station No. H 7756

Date: 8-16-1917

Hour: 1:30 P. M. to

. M.

Position: Lat. 32-57-00

Long. 120-06-00

Locality: West of San Nicolas Id.

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

### TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	NZ98256	62.0		-.4	61.6		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:





Station No. 11-22-1

Date: 5-15-77

191

Hour: 3<sup>30</sup> P. M. to . M.

Position: Lat.  $31^{\circ} 57' 00''$  Long.  $120^{\circ} 01' 20''$

Locality: West of San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	w. Sample	Bottle used
0	98256 A B	62.0		-0.4	61.6		

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

C+GS 5002

~~Sample taken from surface~~

H 2753

430 PM

9-15-17

Lat. 37° 59' 00" Long 120° 2' 00"

West of San Nicolas Id.

O NZ 98256 62.0 - .4 61.6

Temperature 61.6

74.25

Station No. H 77 60

Date: 8-16-17 191

191

Hour: 5:30 P. M. to

. M.

Position: Lat. 32-57-00

Long. 120-28-00

Locality: West of San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	W. 9126	61.9		-.4	61.5	+	

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

angle no J 11

7000 8-17-17

32-48-001

98256 61.0 - 10  
98256 61.5 - 10

1: 98256 61.5

Station No.

Date:

17-17

191

Hour:

9<sup>00</sup> A

. M. to

M. M.

Position: Lat.

Long. 120. 53. 30

**Locality:**

West of San Nicolas Id.

Depth:

**Bottom:**

Sample:

Wind: Direction,

### Force,

Sea:

Sky:

### TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11—5314



65 17. 17.

191

1100A

Position: Lat. 32 - 45 - 00

Locality: \_\_\_\_\_

Depth: Bottom: Sample:

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:





191

. M.

Long. 121-00-30

Locality: west of San Nicolas Id.

Sample:

Force,

Sky:

### TEMPERATURES

[illegible]

## CURRENTS

[illegible]

**Transparency:**

REMARKS:



Station No. H 7768

Date: 8-17-17

191

Hour: 300 P . M. to . M.

Position: Lat. 32-48-00 Long. 121-13-30

Locality: West of San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

